

### CSE TV ZV G 1F Pump Station

Main features	
Application	outlet to DHW circuit
Description	consists of UPM3 DHW 15-70 pump, insulation, check valve, thermometer
Working fluid	water, drinking water
Installation	return pipe, min. pipe centre distance from wall = 100 mm
<b>Code</b>	<b>15 181</b>



CSE TV ZV G 1F Pump station data	
Fluid operating temp.	2 to 95 °C
Max. working pressure	10 bar
Max. ambient temp.	70 °C
Max. rel. humidity	95 % non condensing
Power supply	1x 230 V, 50 Hz
Insulation material	EPP RG 60 g/l
Overall dimensions	325 x 140 x 150 mm
Total weight	2.0 kg
Connection	2 x G 1" F

UPM3 DHW 15-70 Pump data	
Electric data	
Power supply	1x 230 V, 50 Hz
Power input (min./max.)	2/52 W
Current (min./max)	0.04/0.52 A
IP rating	IP44
Max. speed	5766 rpm
Weighted average power	≤ 23 W
Energy efficiency index	≤ 0.20 dle EN 16 297/3
Motor protection	not needed

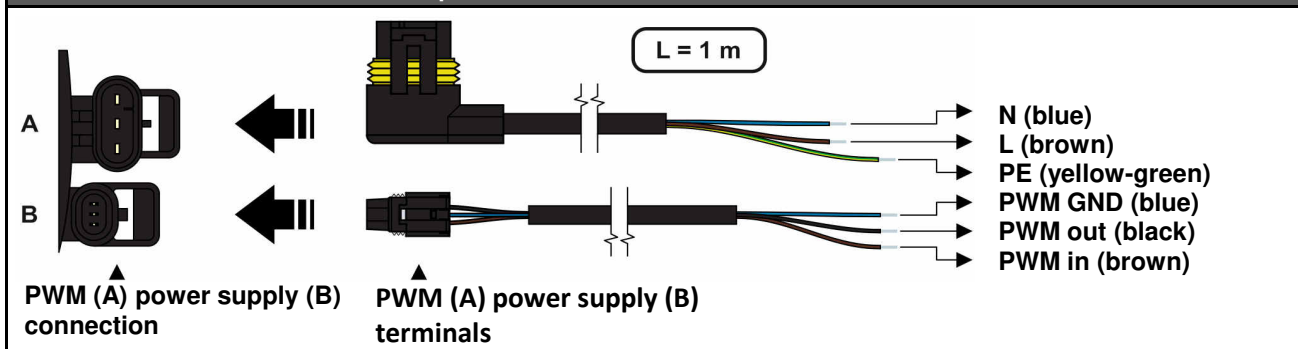
Min. pressure at pump suction port	
Pressure at suction port as cavitation prevention	0,05 bar at 75 °C 0,50 bar at 95 °C

Operation data	
Fluid operating temp.	2 to 95 °C
Max. working pressure	10 bar
Max. teplota okolí	70 °C
Max. rel. humidity	95 % non condensing

Materials	
Pump housing	polyfenylensulfid (PPS)

Power supply cables and PWM cables are included in supply.

#### Connection of UPM3 DHW 15-70 Pump



**CSE TV ZV G 1F Pump Station**

**Selected profile display during pump operation**

control button



curve 1 (4 m)



curve 2 (5 m)



curve 3 (6 m)



curve 4 (7 m)

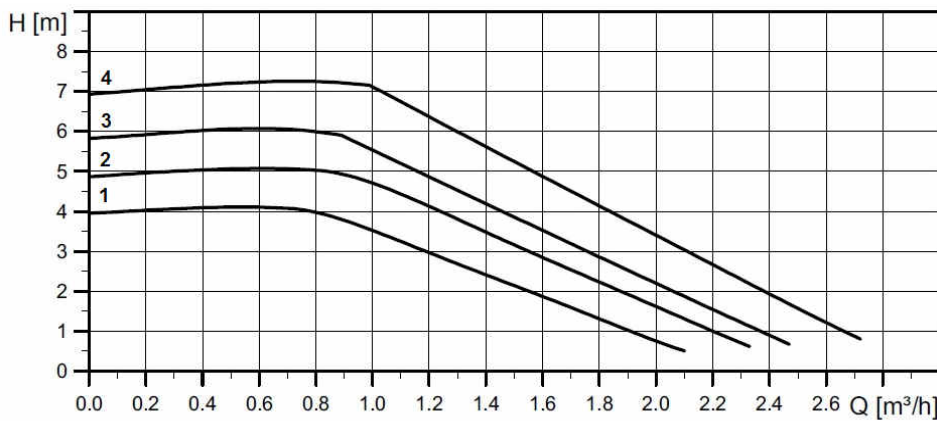


→ when the control button is pressed for less than 2 s, the currently selected curve is shown

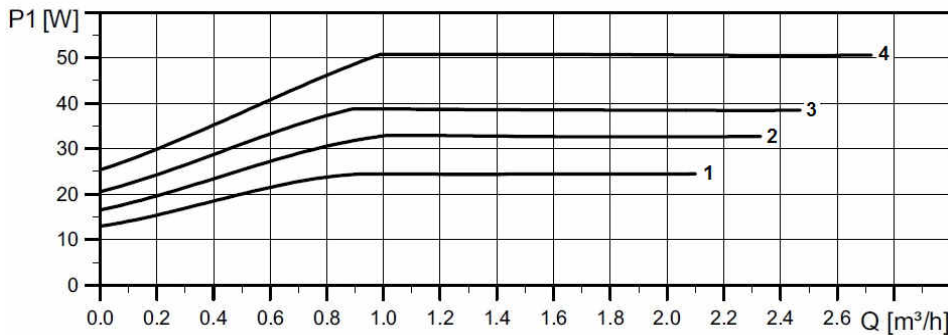
→ with no PWM signal the pump runs at max. speed

→ with PWM signal the pump speed changes with the signal value up to the maximum of the selected curve

**UPM3 DHW 15-70 Pump Performance curves**



Curve	Max. H
1	4 m
2	5 m
3	6 m
4	7 m



Curve	Max. P
1	25 W
2	33 W
3	39 W
4	52 W